

# FCC Compliance

## United States FCC Compliance

**Note:** This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against such interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the cable company or an experienced radio/television technician for help.

Any changes or modifications not expressly approved by Scientific-Atlanta could void the user's authority to operate the equipment.

The information shown in the FCC Declaration of Conformity paragraph below is a requirement of the FCC and is intended to supply you with information regarding the FCC approval of this device. *The phone numbers listed are for FCC-related questions only and not intended for questions regarding the connection or operation for this device. Please contact your cable service provider for any questions you may have regarding the operation or installation of this device.*

## FCC Declaration of Conformity

This device complies with *Part 15 of FCC Rules*. Operation is subject to the following two conditions: 1) the device may not cause harmful interference, and 2) the device must accept any interference received, including interference that may cause undesired operation.

AT8550 AllTouch Remote Control Rev C  
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## Canada EMI Regulation

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la class B est conforme à la norme NMB-003 du Canada.

## AT8550™ AllTouch® Remote Control Rev C User's Guide

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### Device Program Codes

If you program codes to control devices, record your codes here:

CBL: \_\_\_\_\_

TV: \_\_\_\_\_

VCR: \_\_\_\_\_

DVD: \_\_\_\_\_

AUX: \_\_\_\_\_



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## VCR Codes

Ricoh	2034
Runco	2028
Samsung	2004, 2009, 2011, 2041
Sansui	2006, 2031, 2033, 2212
Sanyo	2007, 2009, 2016, 2042
Scott	2008, 2011, 2026
Sears	2007, 2010, 2014, 2016, 2020, 2021, 2022, 2023, 2029
Sharp	2019, 2027, 2035, 2045, 2047
Shintom	2023, 2024
Signature	2035, 2047
Singer	2014, 2024, 2034
Sony	2003, 2181, 2211, 2214
STS	2014, 2029
Sylvania	2000, 2014, 2015, 2017, 2026, 2182
Symphonic	2017, 2213
Tandy	2007
Tashiko	2010
Tatung	2031
Teac	2017, 2031
Technics	2014
Teknika	2010, 2014, 2017
Toshiba	2011, 2020, 2022, 2026, 2032
Totevision	2009, 2010
Unitech	2009
Vector Research	2005, 2006, 2011, 2012
Video Concepts	2005, 2006, 2011, 2012, 2032
Wards	2000, 2009, 2010, 2011, 2014, 2016, 2017, 2019, 2022, 2023, 2024, 2027, 2029, 2035, 2047
White	2213
Westinghouse	
XR-1000	2014, 2017, 2024
Yamaha	2005, 2006, 2007, 2013, 2031
Zenith	2028, 2034, 2043

## DVD Group: DVD and CD Devices

### CD Codes

ADC	2166
Aiwa	2151
Akai	2167
Emerson	2152
Fisher	2153
GE	2169
Hitachi	2154
JVC	2155
Kenwood	2156
Marantz	2158
Mitsubishi	2170
Nakamichi	2172

## CD Codes

NEC	2157
Onkyo	2159
Panasonic	2160
Pioneer	2161
RCA	2162
Sanyo	2175
Sears	2168
Sherwood	2173
Sony	2163
Teac	2174
Technics	2164
Toshiba	2171
Yamaha	2165

## DVD Codes

Aiwa	2057, 2070
Alpine	2071
Apex	2068, 2069, 2072, 2073, 2199, 2205
Audiovox	2204
Bose	2140
Broksomic	2074, 2148
Clarion	2075
Classic	2076
Daewoo	2077
Denon	2078, 2079, 2080, 2081
Emerson	2082, 2083
Fisher	2084
Funai	2083
GE	2048, 2085*, 2086
Go Video	2141, 2147
GPX	2087
Hitachi	2056, 2088, 2089, 2090, 2091
JVC	2050, 2058, 2092, 2142
Kenwood	2093
Konka	2059, 2060
Koss	2206
Lasonic	2197
Magnavox	2051, 2094, 2195
Memorex	2095
Mintek	2096
Mitsubishi	2052
NAD	2082
Nakamichi	2097
Norcent	2098, 2099
Onkyo	2100
Oritron	2114
Panasonic	2061, 2101, 2102, 2103, 2104, 2105, 2106, 2080, 2200
Philips	2051, 2067, 2107
Pioneer	2053, 2108, 2109, 2110, 2111
Proscan	2048, 2112
Qwestar	2113, 2114
RCA	2048, 2049*, 2115, 2143, 2149, 2202, 2203
Sampo	2116
Samsung	2117, 2118, 2119, 2144

## DVD Codes

Sharp	2122, 2123, 2198
Sherwood	2124
Sony	2054, 2063, 2064, 2125, 2126, 2127, 2128, 2129
Sylvania	2083, 2201
Teac	2130
Technics	2131
Techwood	2132
Toshiba	2055, 2065, 2133, 2134, 2135, 2150, 2207
Yamaha	2136, 2137, 2138
Zenith	2066, 2139, 2146

\*Use PLAY  when testing this code.

## AUX Group: Receivers, Tuners, Home Theatre in a Box (HTIB)

### Non-Responsive Mode 3254 Receiver/Tuner Codes

Aiwa	3000, 3001, 3002, 3003, 3004, 3014, 3020
Bose	3033, 3034
Carver	3000
Denon	3035
Harman Kardon	3000, 3013
JBL	3013
JVC	3005
Kenwood	3006
Linn	3000
Maganvox	3000
Marantz	3000
Onkyo	3015
Panasonic	3016, 3017
Philips	3000
Pioneer	3012**
RCA	3007, 3022, 3023, 3032
Sansui	3000
Sherwood	3019
Sony	3008, 3009, 3018
Technics	3016, 3017
Wards	3000, 3012**
Yamaha	3010, 3011, 3012**

\*\* Use  or  when testing this code.

## Home Theatre in a Box Codes

Bose	3033
JBL	3027
JVC	3028
Koss	3026
Onkyo	3029
Panasonic	3030
Philips	3025
Pioneer	3031
RCA	3024
Sony	3021

**TV Codes**

Soundsign	1004, 1006, 1008, 1034, 1040
Starlite	1034
Sylvania	1000, 1004, 1006, 1008, 1017, 1057, 1058, 1063, 1064, 1065, 1073, 1096, 1131, 1189
Symphonic	1029, 1034, 1150
Tandy	1139
Tatung	1003
Technics	1045
Techwood	1004, 1006, 1045
Teknika	1000, 1001, 1004, 1005, 1006, 1008, 1010, 1011, 1012, 1014, 1034, 1040, 1064, 1087, 1136, 1137, 1162
Telecaption	1097
Toshiba	1042, 1060, 1061, 1062, 1087, 1091, 1097, 1098, 1130, 1131, 1183
Totevision	1137
Universal	1044, 1072
Vidikron	1000
Wards	1000, 1001, 1004, 1005, 1006, 1017, 1020, 1029, 1040, 1044, 1053, 1057, 1058, 1063, 1064, 1072, 1073, 1079, 1099
Yamaha	1004, 1005, 1006, 1017
Zenith	1001, 1004, 1122, 1123, 1124, 1125, 1158

**HDTV Codes**

Daewoo	1223
Hitachi	1193, 1236
JVC	1175, 1194
Mitsubishi	1195, 1206, 1207, 1208, 1209
Panasonic	1179, 1192, 1203, 1211, 1221
Philips	1201, 1212
Pioneer	1216, 1218, 1234
RCA	1198, 1202, 1215
Sampo	1220
Samsung	1178, 1232
Sharp	1197
Sony	1174, 1176, 1177, 1226, 1227, 1229, 1231
Thomson	1171
Toshiba	1172, 1173
Zenith	1225, 1233, 1235

**VCR Group: VCR and DVR Devices****DVR Codes**

Dish Network	2186
EchoStar	2037
Philips	2036, 2185, 2187
ReplayTV	2178, 2188, 2192
Sony	2189
TiVo	2177
Toshiba	2190
Zenith	2191

**VCR Codes****Non-Responsive Mode 2254**

Admiral	2035, 2047
Aiko	2018
Aiwa	2017
Akai	2002, 2004, 2031, 2032
Audiovox	2010
Bell & Howell	2007
Broksonic	2008, 2179
Calix	2010
Canon	2014, 2015
Capehart	2030
Carver	2000
CCE	2018, 2024
Citizen	2009, 2010, 2011, 2012, 2013, 2018, 2045
Colortyme	2005
Craig	2009, 2010, 2016, 2024
Curtis Mathes	2005, 2009, 2012, 2013, 2014, 2015, 2025, 2046
Daewoo	2011, 2017, 2018, 2030, 2045
Daytron	2030
Dimensia	2025, 2046
Electrohome	2010, 2019
Emerson	2002, 2008, 2010, 2011, 2014, 2017, 2019, 2026, 2032
Fisher	2007, 2016, 2020, 2021
Fuji	2014
Funai	2017, 2213
Garrard	2017
GE	2001, 2009, 2014, 2015, 2025, 2046
Go Video	2038, 2044, 2184
Goldstar	2005, 2010, 2013
Gradiante	2017
Harman Kardon	2000, 2005
Harwood	2024
Hitachi	2022, 2023, 2029, 2031
JC Penney	2005, 2006, 2007, 2008, 2009, 2010, 2014, 2015, 2022, 2023, 2024, 2029
Jensen	2022, 2023, 2031

**Welcome to the Ultimate Control Experience!**

Your new AT8550™ AllTouch® Universal Remote Control (remote) is a true universal remote, functioning as five remotes in one. As one example, you can use this remote to operate your TV, VCR, DVD player, cable box, and receiver.

**Important Information About Your Remote**

Your remote is initially programmed to only operate your cable box. The Volume and Mute keys will not work until a TV code is programmed into the remote. You must program the remote to operate your TV, VCR, etc. See **Program the Remote to Control My Devices** to learn how to enter device codes and program your remote.

**How Does A Universal Remote Control Work?**

You tell the remote which type of device you want to operate using the five keys arched across the top of the remote. These keys, known as **mode keys**, are labeled **CBL**, **TV**, **VCR**, **DVD**, and **AUX**. Each mode key is associated with a specific device. As an example, if you want the remote to operate your TV, you simply press the TV key. Other keys you press on the remote thereafter should operate your TV. Want to switch the remote to operate a different device? Just press the mode key for the next device you want to operate. In this guide, you will learn which types of devices you can control and how to program the remote to control your specific devices.

**Note:** Some remote keys may not operate in all modes. You can even program your remote to assign specific functions, such as channel control, to operate one device only. You will learn more about these advanced functions later in this guide.

**Where Do I Start?**

Before you begin using your remote, complete the following initial setup tasks.

**Install the Batteries**

The remote requires two AA batteries (alkaline recommended). A diagram in the battery compartment of the remote indicates proper placement of the batteries. When batteries are properly installed, the light on the remote blinks each time a key is pressed.

**Visit the Quick Reference**

Timing is often important when you program advanced features. Therefore, knowing where certain keys are on the remote gives you an edge in pressing the right key at the right time.

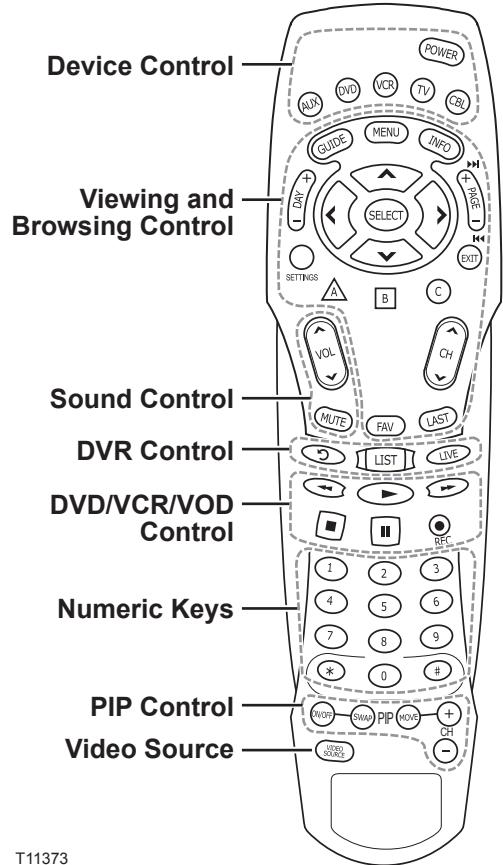
**Important Information About Power Control**

Scientific-Atlanta strongly recommends that you turn off your cable box every time you turn off your TV. To make this easier, you can program your remote to turn both devices on or off at the same time. After you program the remote to control your four favorite entertainment devices, see **Change Power Control** to learn more about programming your remote to control power for the TV and cable box at the same time.

**Find a Place to Store Your Remote**

Keeping up with one remote is much easier than keeping up with five remotes. However, it is still a good idea to find a storage location for your remote. The AT8550 is not a toy. It should be kept out of the reach of children under the age of 6 years.

# Quick Reference



T11373

## Device Control

- POWER** Powers on or off
- AUX** Controls AUX functions
- DVD** Controls DVD functions
- VCR** Controls VCR functions
- TV** Controls TV functions
- CBL** Controls Cable mode functions

## Viewing and Browsing Control

- GUIDE** Displays the program guide
- MENU** Displays the Applications Menu or DVD Menu
- INFO** Displays channel and program information
- + DAY -** Navigates through the program guide by days
- SELECT** Moves through selections
- SETTINGS** Selects and deselects screen item
- + PAGE -** Navigates through settings, program guide, or DVD chapters
- SETTINGS** Displays the General Settings or Quick Settings menus
- EXIT** Exits settings, menus, and guides
- △ □ B C** Selects options in menus and the program guide
- CH** Selects channel, up or down
- FAV** Views favorite channels
- LAST** Returns to last channel

## Sound Control

- VOL** Adjusts volume
- MUTE** Mutes sound

**Note:** These keys will not work until you program a TV code into the remote.

## TV Group: TVs and HDTVs

TV Codes	TV Codes
Non-Responsive Mode 1254	Hitachi 1004, 1006, 1010, 1011, 1012, 1050, 1051, 1052, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1143, 1154, 1166, 1169
Admiral 1001, 1139, 1159	Infinity 1000
Aiko 1014	JBL 1000
Akai 1002	JC Penney 1004, 1005, 1006, 1008, 1011, 1018, 1044, 1045, 1048, 1049, 1053, 1061, 1072, 1086, 1087, 1104, 1137, 1138, 1145
Amtron 1034	Citizen 1004, 1006, 1008, 1014, 1034, 1062, 1087, 1137, 1160
Anam National 1003, 1034	Colortyme 1004, 1006, 1009
AOC 1004, 1005, 1006, 1007, 1140, 1141, 1153	Contec/Cony 1010, 1011, 1012, 1034
Apex 1180, 1184, 1186	Craig 1034
Audiovox 1034	Crosley 1000
Bell & Howell 1001, 1042, 1062	Crown 1034
Broksonic 1181, 1187	Curtis Mathes 1000, 1004, 1006, 1013, 1042, 1053, 1062, 1087, 1137, 1160, 1167
Carver 1000	Daewoo 1004, 1005, 1006, 1014, 1015, 1016, 1103, 1137, 1151
Celebrity 1002	Daytron 1004, 1006, 1137
Citizen 1004, 1006, 1008, 1014, 1034, 1062, 1087, 1137, 1160	Dimensia 1053
Jensen 1004, 1006	Dumont 1004, 1122
JVC 1010, 1011, 1012, 1045, 1051, 1054, 1055, 1056, 1128, 1129, 1146, 1168	Electroband 1002
Kawasho 1002, 1004, 1006	Electrohome 1002, 1003, 1004, 1006, 1017, 1018
Kenwood 1004, 1006, 1017	Emerson 1004, 1006, 1010, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1042, 1062, 1101, 1137, 1142, 1143, 1152, 1168
Kloss Novabeam 1034, 1057, 1058	Envision 1004, 1006
KTV 1034, 1059, 1137, 1142	Fisher 1041, 1042, 1043, 1062, 1144
LG 1005	Fujitsu 1040
Logik 1001	Fumai 1034, 1040
Luxman 1004, 1006	Gateway 1237
LXI 1000, 1006, 1042, 1053, 1060, 1061, 1062, 1145	GE 1003, 1004, 1006, 1018, 1044, 1045, 1046, 1053, 1072, 1132, 1133, 1134, 1145, 1161
Magnavox 1000, 1004, 1006, 1008, 1017, 1057, 1058, 1063, 1064, 1065, 1073, 1106, 1107, 1108	Goldstar 1004, 1005, 1006, 1010, 1017, 1047, 1048, 1049, 1126, 1127, 1137, 1138
Majestic 1001	NEC 1003, 1004, 1005, 1006, 1009
Marantz 1000, 1004, 1006, 1050, 1066	Nikko 1006, 1014
Megatron 1006, 1050	Onwa 1034
Memorex 1001, 1005, 1006, 1042, 1062	Optimus 1147, 1166
MGA 1004, 1005, 1006, 1017, 1018, 1043, 1067, 1068	Sharp 1004, 1006, 1010, 1022, 1025, 1079, 1093, 1094, 1095, 1100, 1137, 1139
Mitsubishi 1004, 1005, 1006, 1017, 1018, 1043, 1067, 1068, 1069, 1102	Sansui 1152, 1185
Montgomery Ward 1001	Sanyo 1004, 1041, 1042, 1062, 1068, 1089, 1090, 1135, 1144
Motorola 1003, 1139	Scott 1004, 1006, 1010, 1020, 1031, 1034, 1040
MTC 1004, 1005, 1006, 1087	Sears 1000, 1004, 1006, 1011, 1012, 1017, 1040, 1041, 1042, 1043, 1053, 1055, 1060, 1061, 1062, 1091, 1092, 1144, 1145, 1150
Multitech 1034	Sharp 1004, 1006, 1010, 1022, 1025, 1079, 1093, 1094, 1095, 1100, 1137, 1139
Multivision 1070	Signature 1001
NAD 1006, 1060, 1061, 1147, 1166	Sony 1002, 1157, 1164, 1165
NEC 1003, 1004, 1005, 1006, 1009	
Nikko 1006, 1014	
Onwa 1034	
Optimus 1147, 1166	

# Code Tables

If the remote does not recognize your device, you can find codes for your device by brand. With combination devices (such as a TV with a built-in DVD player), you have separate codes for each device component. Therefore, for ease of use, the combination device codes are listed first. All other code tables are organized by devices assigned to each mode (CBL, TV, VCR, DVD, AUX).

## Combination Device Codes

If you have a combination device, you may need to reassign the AUX key to operate one of the devices. See **Reassign Mode Keys** for more information. The following tables provide some examples of combination devices. If your combination device is not listed, simply look for the codes for each separate device.

### CBL/DVD Combo Codes

Brand	CBL	DVD	Model
Scientific-Atlanta	0000	2209	Explorer 8xxx (56.9kHz)
Scientific-Atlanta	0004	2210	Explorer 8xxx (36.7kHz)

### DVD/VCR Combo Codes

Tuner/CD Combo Codes			
Brand	DVD	AUX (VCR)	Model
Go Video	2141	2038	DVR5000
Go Video	2147	2044	DVR4200
JVC	2142	2039	HRXVC1U
RCA	2143	2040	VC125HF
Samsung	2144	2041	DVD-V2000
Sanyo	2145	2042	DVW5000
Zenith	2146	2043	XBV243

### TV/DVD Combo Codes

TV/DVD/VCR Combo Codes			
Brand	TV	DVD	Model
Broksonic	1181	2148	SC975
RCA	1182	2149	BD20TF10
Sansui	1185	2196	—
Toshiba	1183	2150	MD20FL3

## Other Device Codes

### CBL Group: Cable, HDTV Tuner, and Satellite Devices

#### Cable Codes

Scientific-Atlanta	0000, 0001, 0002, 0003, 0004, 0005
ABC	0010
GE	0010
Gemini	0011
General Instruments	0010
Hitachi	0010
Jerrold	0010, 0011
Motorola	0007, 0008
Pioneer	0009
Proscan	0010
Signature	0010
Starcom	0011
Stargate	0011

#### HDTV Tuner Codes

Panasonic	0021
Philips	0022
RCA	0017
<b>Satellite Device Codes</b>	
Dish Network	0016
Dishnet	0013
Echostar	0014
GE	0012
Hughes	0015
Philips	0023
Proscan	0012
RCA	0012
Sony	0019, 0020
Zenith	0024

## DVR Control

	Replays the previous few seconds of a program		Opens or closes the Picture-in-Picture (PIP) window
	Displays a list of programs that you have recorded, so that you can select one for viewing		Swaps the contents of the PIP window and the main viewing screen so that the PIP window displays on the main screen
	Displays live television programming		Moves the PIP window to another location on the screen

## DVD/VCR/VOD Control

#### Notes:

- In DVD mode, these keys control your DVD or VCR.*
- These keys also control DVR functions.*

	Rewinds DVD/VCR/VOD
	Plays DVD/VCR/VOD
	Fast forwards DVD/VCR/VOD
	Stops DVD/VCR/VOD
	Pauses DVD/VCR/VOD
	Records program

## PIP Control

	Selects the channels in the PIP window, up or down, and scrolls through DVD chapters
	Selects the video input source in TV mode or selects RF Bypass in CBL mode (where available)

## Video Source

# What Devices Can I Control?

The **mode keys** arched across the top of the remote tell the remote which device you want to operate.

Each mode key is associated with different groups of devices. You can use each mode key to control *one* of its associated devices:

## Mode Key      Associated Devices

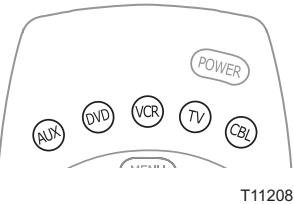
**CBL** ..... cable boxes, HDTV tuners, and satellite devices

**TV** ..... TVs and HDTVs

**VCR** ..... VCRs, digital video recorders (DVRs), DVD players, and CD players

**DVD** ..... DVD players, CD players, VCRs, and DVRs

**AUX** ..... receivers, tuners, and Home Theatre in a Box (HTIB)



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## Regarding Non-Responsive Modes

The AT8550 is pre-programmed with the TV, VCR, and AUX keys set to an inactive (non-responsive) mode. After you program these keys on the remote control, you can return them to the non-responsive mode by using the specific non-responsive mode code found in the **Code Tables**, later in this guide.

# What Devices Do I Want to Control?

To help you keep track of the devices you want to control, list the type of devices (including brand) in the following table. Locate your device type in the list above and write the associated mode key. If you have two devices that use the same key, you must reassign the AUX, the VCR, or the DVD keys. Go to **Reassign Mode Keys**. Otherwise, go to **Program the Remote to Control My Devices**.

Device	Mode Key	Device	Mode Key
Example: DVD Sony	DVD	Example: VCR Zenith	VCR
1.		4.	
2.		5.	
3.			

## Reassign Mode Keys

With the AT8550, you can reassign a mode key to operate a different device. For example, you can reassign the AUX key to operate a receiver, a tuner, or a Home Theatre in a Box system.

You can reassign the AUX key, the VCR key, or the DVD key. However, the TV key and the CBL key cannot be reassigned. If you reassign a key, be sure you update the table found in the previous section.

# Put It Back the Way I Got It

Return specific advanced functions or all advanced functions back to their original settings. Choose the procedure that fits your needs.

**Important:** Your cable service provider may have programmed the dual power control feature for your convenience. Therefore, if you reset the power control, you may need to program the remote to control the power for the cable box and TV at the same time.

## Resetting Mode Keys (Program Code 9 9 2)

You can reprogram the VCR key and the AUX key to operate in their original modes.

1. Press and hold **CBL** and **SELECT** until all mode keys blink twice.
2. Press **9 9 2**. The CBL key blinks twice.
3. Do one of the following:
  - If you are returning the VCR key to its original state, press **VCR** twice.
  - If you are returning the AUX key to its original state, press **AUX** twice.
4. Repeat this procedure if you want to return both keys to their original modes.

## Resetting Device Codes and Mode Keys (Program Code 9 7 7)

Follow this procedure to return programmed device codes and mode keys to their original settings. This procedure erases device codes you programmed. In addition, this procedure returns all reassigned mode keys to their original operation.

This reset procedure does not reset any changes you made to power, volume, or channel control.

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 7 7**. All mode keys blink three times. Then, after a few seconds the CBL key blinks twice.

## Resetting Power, Volume, and Channel Control (Program Code 9 8 0)

Follow this procedure to return power, volume, and channel control to their original settings. This reset procedure does not reset any device codes you programmed or affect mode key reassessments.

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 8 0**. All mode keys blink three times.

## Resetting All Changes (Program Code 9 8 1)

Follow this procedure to return the remote completely back to its original settings.

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 8 1**. All mode keys blink three times. Then, after a few seconds the CBL key blinks twice.

# Change VCR/VOD Programming

Your remote is originally programmed in one of the following ways:

- The Rewind, Play, Fast Forward, Stop, Pause, and Record keys (the transport keys) are programmed, by default, to transmit the codes for the Explorer® 8000™ series Home Entertainment Server video-on-demand (VOD) or digital video recorder (DVR) functions when in Cable (CBL) mode.
- The transport keys control different devices, depending on the mode key you press.

You can choose to override the default settings for the transport keys so that the transport keys operate a different device when you have selected CBL mode.

Try your remote to see how the transport keys currently work. If you want to change the settings for the transport keys, complete the procedure that fits your needs.

## Changing VCR/VOD Programming

### (Program Code 9 9 9)

- Press and hold **CBL** and **SELECT** until all mode keys blink twice.
- Press **9 9 9**. The CBL key blinks twice.
- Press the mode key (VCR or DVD) associated with the device you want the transport keys to now control. All mode keys blink three times.

#### Results:

- The transport keys now always control the device associated with the mode you selected in this procedure (DVD or VCR).
- Pressing **PLAY**  starts the VCR, the DVD, or the device that has been reassigned to AUX.
- In AUX mode, the remote always controls channels for the device assigned to the AUX key.

## Restoring Default VCR/VOD Settings

### (Program Code 9 9 9)

- Press and hold **CBL** and **SELECT** until all mode keys blink twice.
- Press **9 9 9**. The CBL key blinks twice.
- Press **CBL**. All mode keys blink three times.

**Result:** The transport keys are restored to their default settings.

**Example:** Pressing **PLAY**  in CBL mode starts the DVR.

## Reassigning Mode Keys

### (Program Code 9 9 2)

- Press and hold **SELECT** and **CBL** until all mode keys blink twice.
  - Press **9 9 2**. The CBL mode key blinks twice.
  - Press the mode key associated with the type of device you want to control, and then press the mode key that you want to change. All mode keys blink three times.
- Some Common Examples**
- To program the AUX key to operate your VCR, press **VCR** and then **AUX**.
  - To program the VCR key to operate your TV, press **TV** and then **VCR**.
- When finished, go to **Program the Remote to Control My Devices**.

## Program the Remote to Control My Devices

Your remote is initially programmed to only operate your cable box. The Volume and Mute keys will not work until a TV code is programmed into the remote. If the remote provides only limited functionality for a device, you can look for a code that provides more functionality. Before you begin, make sure you know the brand name of the device you want to control.

**Note:** Some remote keys may be assigned to operate one device type only. For example, volume control may be assigned to the TV only. If this is the case, you can reprogram power, volume, and channel control using procedures later in this guide.

## Assigning a Different Device Code to a Mode Key

- Find the codes for your brand of device in the appropriate setup code list at the end of this guide. For example, look under **TV Group** if you need to program the remote to operate your TV.
- Turn on your device.

- Press and hold **SELECT** and the appropriate mode key until all of the mode keys blink twice. For example, to set up the TV, press and hold **SELECT** and **TV**.

**Note:** If you reassigned mode keys, you may, for example, press **SELECT** and **VCR** to program the VCR mode key with a TV code.

- Enter the first setup code for the device. All mode keys blink twice to indicate that the code entry was accepted.

- Point the remote at the device, and press **POWER**, **PLAY** , or  to test the device.

- Did the device operate correctly?

- If **yes**, write down the code that worked on the cover of this guide. You may need it again if the device code is accidentally erased.

- If **no**, repeat these steps using a different setup code.

**Note:** If none of the codes listed for your brand of device operate the device correctly, go to **What If None of the Codes Work** for instructions.

- Repeat this procedure for each mode key you want to program.

# What If None of the Codes Work?

If none of the codes listed for your brand of device operate the device correctly, you can search through the code library for a valid code.

## Improving Your Reaction Time

When you search the code library, you need to be ready to press **SELECT** as soon as the remote turns off your device. Therefore, make sure you are familiar with the location of the **SELECT** key before you begin this procedure.

## Sizing Up the Libraries

The mode keys blink twice when the remote reaches the last code in a library. You do not need to count codes. However, knowing the size of each library will help you determine how long it will take to cycle through all of the codes in the library. Each library contains the following number of codes:

- CBL mode: 23
- TV mode: 225
- DVD mode: 206
- VCR mode: 210
- AUX mode: 38

## Searching the Code Library

### (Program Code 991)

1. Turn on the device.
2. Press and hold **SELECT** and the appropriate mode key (**CBL**, **TV**, **VCR**, **DVD**, or **AUX**) until the mode keys blink twice. For example, to search for a TV code, press and hold **SELECT** and **TV** at the same time.  
**Note:** If you reassigned mode keys, you may, for example, press **SELECT** and **VCR** to search for a TV code to assign to the VCR mode key.
3. Press **991**. The mode key you selected in step 2 blinks twice.
4. Point the remote toward the device, and press **PLAY** . The remote automatically tests each code in its library, beginning with the most common codes. The mode key blinks once each time the remote transmits a new code. The mode key blinks twice when it reaches the last code.
5. As soon as the device powers off, press **SELECT**.
6. Verify the new code is correct by pressing **POWER**.
7. Did the device power on again?
  - If **yes**, press **SELECT** to assign the code.
  - If **no**, complete the following steps:
    - a) Turn the device on.
    - b) Press  or  to step forward or back to the correct code.
    - c) When the device turns off, press **SELECT** to assign the code.
8. Go to **Which Code Worked** to identify the code that controls your device. After you identify the code, record the code in the space provided on the cover of this guide.

# Change Channel Control

Your remote is originally programmed in one of the following ways:

- The remote controls channels for a single device, such as the cable box, whether the remote is in CBL, VCR, DVD, or TV mode. The **AUX** mode always retains separate channel control.
- The remote controls channels for different devices, depending on the mode key you press.

Try your remote to see how the channel control currently works. The channel keys include , , **Digits 0-9**, **LAST**, and **FAV**. If you want to change the channel control, complete the procedure that fits your needs.

**Tip:** Consider programming the remote to control channels for just the cable box to ensure you do not accidentally tune off the proper channel for the TV (usually channel 3 or 4).

## Controlling Channels For One Device

### (Program Code 997)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **997**. The **CBL** key blinks twice.
3. Press the mode key associated with the device you want the channel keys to control. For example, if you want to assign channel control to your TV only, press **TV**. All mode keys blink three times.

#### Notes:

- The channel keys now always control the device associated with the mode you selected in this step, whether in TV, CBL, DVD, or VCR mode.
- In **AUX** mode, the remote always controls channels for the device assigned to the **AUX** key.

## Controlling Channels For Different Devices

### (Program Code 997)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **997**. The **CBL** key blinks twice.
3. Press **SELECT**. All mode keys blink three times.

**Result:** After you press **SELECT**, the channel keys now control the device associated with the mode key you select. For example, in **TV** mode, the channel keys control the **TV**, but in **CBL** mode, the channel keys control the **cable box**.

# Change Volume Control

Your remote is originally programmed in one of the following ways:

- The remote controls volume for one device, such as your TV, whether the remote is in TV, VCR, DVD, or CBL mode. The AUX mode always retains separate volume control.
- The remote controls volume for different devices, depending on the mode key you press. For example, in CBL mode, the volume keys control the cable box. However, in TV mode, the volume keys control the TV.

Try your remote to see how the volume control currently works. The volume keys include  and **MUTE**. If you want to change the volume control, complete the procedure that fits your needs.

## Controlling Volume for One Device (Program Code 993)

**Note:** If you want to assign volume control to a Scientific-Atlanta cable box, complete the following prerequisite steps. Press **SETTINGS** to access the General Settings on-screen menu. Then, verify that the Audio: Volume Control setting is set to **Variable**.

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **993**. The CBL key blinks twice.
3. Press the mode key for the device the volume keys should control. For example, if you want to control volume through your TV, press **TV**. All mode keys blink three times.

### Notes:

- The volume keys control only one device whether you are in CBL, TV, DVD, or VCR mode.
- In AUX mode, the remote always controls volume for the device assigned to the AUX key.

## Controlling Volume for Different Devices (Program Code 993)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **993**. The CBL key blinks twice.
3. Press **SELECT**. All mode keys blink three times.

**Result:** After you press **SELECT**, the volume keys control the device assigned to that mode. For example, in TV mode, the volume keys control volume for the TV only.

# Which Code Worked?

Find out which code programmed the mode key to control your device.

## Finding the Code That Worked (Program Code 990)

1. Press and hold **SELECT** and the appropriate mode key (**CBL**, **TV**, **VCR**, **DVD**, or **AUX**) until all mode keys blink twice.
  2. Press **990**. The mode key you selected in step 1 blinks twice.
  3. Press **1** and then count the number of times the mode key blinks. The number of blinks indicates the first digit in the code. For example, 4 blinks indicates the first digit in the code is 4. If the mode key does not blink, the digit is 0.
  4. Press **2** and then count the number of times the mode key blinks. This number indicates the second number in the code.
  5. Press **3** and then count the number of times the mode key blinks. This number indicates the third number in the code.
  6. Press **4** and then count the number of times the mode key blinks. This number indicates the fourth number in the code.
- Note:** After all four numbers in the code are identified, all mode keys blink three times.
7. Record the code in the space provided on the cover of this guide. You may need it again if the device code is accidentally erased.

# Change Power Control

Your remote is originally programmed in one of the following ways:

- The remote controls power for only one device at a time. For example, in CBL mode the POWER key controls the cable box only. However, in TV mode, the POWER key controls the TV only.
- The remote controls power for either one device or for multiple devices at once, based on the selected mode. For example, in CBL mode, the POWER key controls both the cable box and the TV at the same time.

Before you change how the power control functions, try your remote to see how the power control currently works. When trying out your remote, keep in mind that the remote provides a temporary override for power control. For example, if you press the TV key and then the POWER key within 3 seconds, the remote turns on the TV only, regardless of the programmed power settings. To see how the remote was originally programmed, wait at least 5 seconds before pressing the POWER key after you press any mode key.

Does your remote already control power for your cable box and TV at the same time? If not, Scientific-Atlanta strongly recommends that you program the remote to turn off the cable box each time you turn off your TV. Turning off the cable box is especially important for high-end cable boxes that contain hard drives for recording and storing TV programs and movies. Not only will you reduce wear and tear from the hard disk spinning constantly, but you'll also conserve electricity. As long as the cable box remains plugged in, the cable box will receive programming updates, and, if applicable, record programs and movies.

## Controlling Power for Multiple Devices at Once

### (Program Code 9 9 8)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 8**. The CBL key blinks twice.
3. Press the mode key for the first device in the group of devices you want to power on and off at once. The CBL key blinks twice.
4. Press the mode key for the second device in your power group. The CBL key blinks twice.
5. If you want the remote to control power for 3 or 4 devices at once, press the mode keys for the next devices you want to add to the power group. The CBL key blinks twice after each mode key is pressed.
6. Press **SELECT** to save your power settings. All mode keys blink three times.

## Want An Example?

If you want to control power for the TV and the cable box at the same time, you would do the following:

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 8**. The CBL key blinks twice.
3. Press **TV**. The CBL key blinks twice.
4. Press **CBL**. The CBL key blinks twice.
5. Press **SELECT**. All mode keys blink three times.

In this example, the remote will function in the following ways:

- When you are in TV mode *or* CBL mode, the POWER key controls both the cable box and the TV.
- When you are in VCR mode, the POWER key controls the VCR device only.
- When you are in AUX mode, the POWER key controls the auxiliary device only.

## Controlling Power for One Device at a Time (Program Code 9 9 8)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 8**. The CBL key blinks twice.
3. Press **SELECT** to save your power settings. All mode keys blink three times.

After you select a mode, the POWER key controls the device assigned to that mode. For example, in TV mode, the remote controls power for the TV only.

## Important Power Tips

- Scientific-Atlanta *strongly* recommends that you program the remote to turn off the cable box each time you turn off your TV.
- When you turn off the cable box using the remote control, you are actually putting the box in a power saving mode. As long as the cable box remains plugged in, it will continue to receive programming updates and, if applicable, record programs and movies.
- If your POWER key controls multiple devices at once, the remote returns to the CBL mode after the devices are powered on or off.
- If your POWER key controls multiple devices at once, you can override this setting by pressing the desired mode key and then pressing POWER within 3 seconds. For example, if you press the VCR key and then the POWER key within 3 seconds, the remote turns just the VCR on or off, regardless of the programmed power settings.